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ABSTRACT

Published materials that have proven useful in the design of the Institute For The Future's first urban simulation model are listed. References include publications dealing with (1) simulations and games, (2) urban and regional models, (3) educational gaming, (4) research and planning applications, (5) methodological perspectives, and (6) computational techniques. The items are listed alphabetically by author with no indexes. (Author/DGC)

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Simulation Of Urban Systems —A Selected Bibliography

Mark Nagelberg

INSTITUTE FOR THE FUTURE
Riverview Center, Middletown, Connecticut, 06457

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SIMULATION OF URBAN SYSTEMS:
A SELECTED BIBLIOGRAPHY

Mark Nagelberg

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FOREWORD

A major project at IFF is concerned with the development of an urban research laboratory. An integral part of this effort is devoted to the construction and operation of urban simulations. This work, which is currently sponsored by Wesleyan University, is intended to result in improved simulation techniques, a variety of new urban models, and better insights into the uses of such models, whether separately or in combination, as educational devices in the classroom or as research tools at IFF and other centers investigating urban problems.

The project began with a review of the literature and the state-of-the-art in constructing mathematical models and operational games for urban simulations. Presented here is a selected bibliography of published materials that have proven of greatest value in designing IFF's first urban simulation model.* References are included to publications dealing with simulations and games, urban and regional models, educational gaming, research and planning applications, methodological perspectives, and computational techniques. A companion volume--IFF Working Paper WP-4, Selected Urban Simulations and Games--describes in some detail the features of models that have been developed elsewhere.

The author wishes to thank Dennis Little of the IFF staff for suggesting a number of important additions to this bibliography.

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*Persons seeking information on other types of simulation games in operation might wish to consult Richard Zieler's Games for School Use (Westchester, N. Y.: Center for Educational Services and Research, 1968). Zieler's bibliography lists 70 simulation games, some of which are urban.

SIMULATION OF URBAN SYSTEMS:

A SELECTFD BIBLIOGRAPHY

The following abbreviations are used in this bibliography:

ABS	*The American Behavioral Scientist*
ACM 1968	Proceedings: *Association for Computer Machinery Symposium: Application of Computers to the Problems of Urban Society*
AJES	*American Journal of Economics and Sociology*
APIJ	*Australian Planning Institute Journal*
CCA	*Canadian Chartered Accountant*
IBM Sim 1966	Proceedings: *IBM Scientific Symposium: Simulation Models and Gaming* (White Plains: IBM Data Processing Division, 1966)
IMR	*Industrial Management Review*
JAIP	*Journal of the American Institute of Planners*
JAM	*Journal of the Academy of Management*
JASA	*Journal of the American Statistical Association*
JRS	*Journal of Regional Science*
JTPI	*Journal of the Town Planning Institute*
Metro Land Use Models, 1965	*Seminar on Metropolitan Land Use Models* (Berkeley, California, March 19-20, 1965)
Penn. Land Use Models, 1964	*Seminar on Models of Land Use Development* (Institute of Urban Studies, University of Pennsylvania, October, 1964)
Pitt. Information Systems, 1964	*Urban Planning and Information Systems Planning Conference* (University of Pittsburgh, September, 1964)
RES	*Review of Economics and Statistics*
RSA	*Regional Science Association Papers*
UPN	*Urban Planning and Development Newsletter* (American Society of Civil Engineers)

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